

Division of Solid and Hazardous Waste
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Solid Waste Facility Permit

Under the provisions of N.J.S.A. 13:1E-1 et seq. known as the Solid Waste Management Act, this permit is hereby issued to:

OCEAN COUNTY LANDFILL CORPORATION

Facility Type: Class I Sanitary Landfill
Lot & Block No.(s): 1(partial), 6, 9-24, 30-37, 59-62, 64,
65, 768-772, 777, 778 in Block 2, 642
in Block 3.02
Municipality: Manchester Township
County: Ocean
Facility Registration No.: 1518000689E1

This permit is subject to compliance with all conditions specified herein and all regulations promulgated by the Department of Environmental Protection.

This permit shall not prejudice any claim the State may have to riparian land, nor does it allow the permittee to fill or alter or allow to be filled or altered in any way, lands that are deemed to be riparian, wetlands, stream encroachment areas or flood plains, or that are within the Coastal Area Facility Review Act (CAFRA) zone or are subject to the Pinelands Protection Act of 1979, nor shall it allow the discharge of pollutants to waters of this State without prior acquisition of the necessary grants, permits, or approvals from the Department of Environmental Protection.

Issued: March 28, 2001

Revised: June 7, 2001

June 21, 2002

Expiration Date: March 28, 2006

Thomas Sherman
Assistant Director
Office of Permitting &
Technical Programs

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Scope of Permit

Ocean County Landfill Corporation (OCLC) is required by the Ocean County Solid Waste Management Plan to provide disposal capacity for acceptable waste generated in the County of Ocean through the year 2015. In order to meet this need, OCLC has planned for additional disposal capacity. OCLC has proposed to expand the capacity of the landfill by increasing the final elevation of the existing landfill from 165 feet to 175 feet above mean sea level over Cells 1B/2B, 4, 5, 6, and 7, adding Cell 8 & 9 and a valley fill between Cells 6 & 7. Modification of the landfill base grading plan and final grading plan will accommodate an additional 9.2 million cubic yards of waste acceptance to provide waste disposal until the year 2016. This permit replaces the permit issued on December 15, 1995 for the expansion of the landfill.

The existing facility, which has been in operation since 1973, is bounded by Route 70, Ridgeway Road (County Route 571) and Whitesville Road (County Route 527). Access to the landfill is from Route 70. The original permit was issued on May 10, 1972 and last revised on March 9, 1999. Solid waste is disposed of in cells utilizing a double liner system. Leachate is collected and treated on-site and then discharged into an outfall line, which is connected to the Ocean County Utilities Authority's trunk line. An impermeable cap is placed on each cell when it attains final elevation.

The proposed materials recovery facility will provide a support function to the landfill, whereby Type 13 and 13C solid waste will be processed to produce a cover soil material. Type 13 and 13C solid waste are presently received for disposal in the landfill facility. The materials recovery facility will utilize the existing infrastructure including truck scales, roadways, and utilities to operate. Unloading, separating, processing, and loadout operations will take place within an enclosed building approximately 200 feet by 150 feet. Material handling and processing equipment will be designed to handle a maximum of 1000 tons per day. Recyclable materials will be recovered by manual and mechanical methods on the tipping floor and along conveyors. The residual materials will be sized reduced by a hammermill shredder. The shredded material will be conveyed to a cross-belt magnetic separator to recover ferrous metals. Recovered recyclable materials will be transported to approved end markets or recycling centers. The final residuals will be loaded into trucks for transport to the landfill for use as an alternative daily cover.

This permit does not convey any property rights of any sort, or any exclusive privilege. Failure to comply with all of the conditions specified herein may result in revocation of this permit and/or may result in such other regulatory or legal actions that the Department is authorized by law to institute.

On June 7, 2001 the permit was modified to incorporate a temporary scale to handle additional local traffic at the landfill. The temporary scale will facilitate reduced queuing time on the landfill working face. A modification was made to the permit on page 34 in Section III 2, (a) Approved Designs, Plans and Reports.

On June 21, 2002 the permit was modified to incorporate a temporary cap on Cell 6 and the expansion of the leachate recirculation system to include Cell 6. The existing pump station and Cell 5 recirculation piping are utilized to expand recirculation capabilities to Cell 6. This modification will provide additional Cell 6 landfill space by accelerating gas generation and waste stabilization. In addition, the modification includes the use of wood chips on the intermediate cover. The wood chips will help minimize soil erosion and provide an additional barrier to control odors. Finally, a vicinity plan of the landfill has been revised to show the new location of the Phase II screening berm. The screening berm was set back one hundred feet from the property line, and therefore existing trees instead of the screening berm would be visible from the adjoining neighborhood.

Section I

General Conditions Applicable to All Facilities

1. Duty to Comply

- (a) Pursuant to N.J.A.C. 7:26-2.8(i), the permittee shall operate the facility in compliance with the requirements of N.J.A.C. 7:26-2.11.
- (b) Pursuant to N.J.A.C. 7:26-2.8(j), the permittee shall operate the facility in conformance with all of the conditions, restrictions, requirements and any other provisions set forth in this permit.
- (c) Pursuant to N.J.A.C. 7:26-2.8(k), except for minor modifications as set forth at N.J.A.C. 7:26-2.6(d), the permittee shall not modify, revise or otherwise change any condition of this permit without prior written approval of the Department.

2. Duty to Reapply

- (a) Pursuant to N.J.A.C. 7:26-2.7(b)1, if the permittee wishes to continue the operation of this facility after the expiration date of this permit, the permittee shall apply for permit renewal at least 90 days prior to the expiration date of this permit, and the facility must be included in the District Solid Waste Management Plan at the time of such application.
- (b) Pursuant to N.J.A.C. 7:26-2.7(c), the conditions of this permit shall continue in force beyond the expiration date of this permit pursuant to the Administrative Procedure Act, N.J.S.A. 52:14B-11, until the effective date of a new permit if:
 - 1. The permittee has submitted a timely and complete application for a renewal permit pursuant to (a) above; and
 - 2. The Department, through no fault of the permittee, does not issue a new permit with an effective date on or before the expiration date of this permit, due to time or resource constraints.
- (c) Pursuant to N.J.A.C. 7:26-2.7(d), permits continued under said section remain fully effective and enforceable, and if the permittee is not in compliance with any one of the conditions of the expiring or expired permit the Department may choose to do any or

all of the following:

1. Initiate enforcement action based on the permit, which has been continued;
2. Issue a notice of intent to deny the new permit under N.J.A.C. 7:26-2.4. If the permit is denied, the permittee would then be required to cease activities and operations authorized by the continued permit or be subject to an enforcement action for operating without a permit;
3. Issue a new permit under N.J.A.C. 7:26-2.4 with appropriate conditions; or
4. Take such other actions as are authorized by N.J.A.C. 7:26-1 et seq. or the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq.

3. Need to Mitigate

- (a) Pursuant to N.J.A.C. 7:26-2.8(p), should the Department determine that the facility is operating in an environmentally unsound manner, the permittee shall:
 1. Within 90 days of notification by the Department, submit a plan to close or environmentally upgrade the facility in conformance with the applicable standards, as determined by the Department and set forth in N.J.A.C. 7:26-1 et seq.;
 2. Within 90 days of receipt of written approval by the Department of the submitted plan, begin to close or construct the environmental upgrading at the facility; and
 3. Within one year of receipt of written approval by the Department of the submitted plan, complete closure or construction of the environmental upgrading at the facility.
- (b) Pursuant to N.J.A.C. 7:26-2.8(q), a one time extension of the compliance schedule established by N.J.A.C. 7:26-2.8(p) shall be granted by the Department provided the permittee demonstrates that it has made good faith effort to meet the schedule.
- (c) Pursuant to N.J.A.C. 7:26-2.8(r), should the environmental upgrading required pursuant to N.J.A.C. 7:26-2.8(p) not be completed or should continued operations be determined by the Department to be

environmentally unsound despite the implementation of the plan approved pursuant to N.J.A.C. 7:26-2.8(p), the facility shall temporarily or permanently cease operations and close or enter into receivership, as provided for in N.J.S.A. 13:1E-9, for that period of time necessary to rectify the environmentally unsound conditions.

4. Permit Actions

- (a) Pursuant to N.J.A.C. 7:26-2.6(a)1, if cause exists, the Department may modify, or revoke and reissue this permit, subject to the limitations of that section, and may require the permittee to submit an updated or new application in accordance with N.J.A.C. 7:26-2.6(e), if appropriate.
- (b) Pursuant to N.J.A.C. 7:26-2.6(b), the Department may modify or, alternatively, revoke and reissue this permit if cause exists for termination under N.J.A.C. 7:26-2.6(c) and the Department determines that modification or revocation and reissuance is appropriate.
- (c) Pursuant to N.J.A.C. 7:26-2.6(d), upon the request of the permittee, an interested party or for good cause, the Department may make certain minor modifications to a permit without issuing a tentative approval, providing public notice thereof or holding a public hearing thereon.
- (d) Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Department, the permittee shall promptly submit such facts or information.

5. Signatory Requirements

- (a) All completed registration statements submitted by the permittee shall be signed as specified at N.J.A.C. 7:26-2.4(e)1.
- (b) All engineering designs and reports, the environmental and health impact statement, other information requested as "Addendums" by the Department pursuant to N.J.A.C. 7:26-2.4(f) and (g)4 and documents required to be submitted pursuant to N.J.A.C. 7:26-2.9 and 2.10, submitted on behalf of the permittee, shall be signed by a person described in N.J.A.C. 7:26-2.4(e)1 or by a duly authorized representative of that person, as specified at N.J.A.C. 7:26-2.4(e)2.

- (c) Any person signing a registration statement, engineering design or report, environmental and health impact statement or addendum mentioned in N.J.A.C. 7:26-2.4(e)1 or (e)2, submitted on behalf of the permittee, shall make the certification specified at N.J.A.C. 7:26-2.4(e)3.

6. Transfers

- (a) Pursuant to N.J.A.C. 7:26-2.8(1), the permittee shall not transfer ownership of the permit without receiving prior written approval of the Department, in accordance with N.J.A.C. 7:26-2.7(e).
- (b) Pursuant to N.J.A.C. 7:26-2.7(e)1, a written request for permission to allow any transfer of ownership or operational control of the facility must be received by the Department at least 180 days in advance of the proposed transfer. The request for approval shall include the following:
 - 1. A registration statement completed by the prospective new permittee on forms provided by the Department;
 - 2. A disclosure statement as required by N.J.A.C. 7:26-16.4 completed by the proposed transferee;
 - 3. A demonstration that the final responsibility requirements of N.J.A.C. 7:26-2A.9 will be met by the proposed new permittee; and
 - 4. A written agreement between the permittee and the proposed new permittee containing a specific future date for transfer of ownership or operations.
- (c) Pursuant to N.J.A.C. 7:26-2.7(e)2, a new owner or operator may commence operations at the facility only after the existing permit has been revoked and a permit is issued pursuant to N.J.A.C. 7:26-2.4.
- (d) Pursuant to N.J.A.C. 7:26-2.7(e)3, the permittee of record remains liable for ensuring compliance with all conditions of the permit unless and until the existing permit is revoked and a new permit is issued in the name of the new owner or operator.
- (e) Pursuant to N.J.A.C. 7:26-2.7(e)4, compliance with the transfer requirements set forth in that subsection shall

not relieve the permittee from the separate responsibility of providing notice of such transfer pursuant to the requirements of any other statutory or regulatory provision.

7. Registration Statement

- (a) Pursuant to N.J.A.C. 7:26-2.8(b), prior to May 1 of each calendar year the permittee shall submit to the Department a statement updating the information contained in the permittee's initial registration statement. This update shall be on forms furnished by the Department. In no case shall submission of an updated statement alter conditions of this permit.
- (b) Pursuant to N.J.A.C. 7:26-2.8(c), the permittee shall notify the Department in writing within 30 days of any change in the information set forth in the permittee's current registration statement.
- (c) Pursuant to N.J.A.C. 7:26-2.8(d), failure of the permittee to submit an updated registration statement and to submit all applicable fees, required by N.J.A.C. 7:26-4, on or before July 1 of each calendar year shall be sufficient cause for the Department to revoke this permit or take such other enforcement action as is appropriate.

8. Duty to Update Disclosure Statement

- (a) Pursuant to N.J.A.C. 7:26-16.6(b), the permittee and/or facility operator shall report to the Department and the Attorney General within 30 days any changes or additions in the information required to be included in the disclosure statement, as specified at N.J.A.C. 7:26-16.6.
- (b) Pursuant to N.J.A.C. 7:26-16.6(c), the permittee and/or facility operator shall report any other changes in the information contained in the permittee's disclosure statement currently on file with the Department and the Attorney General in an annual update to be filed with the Department at the time of the permittee's annual renewal of its registration with the Department, as specified at N.J.A.C. 7:26-16.6.

9. Operating Record and Reporting Requirements

- (a) The permittee shall maintain a daily record of wastes received. The record shall include the information specified at N.J.A.C. 7:26-2.13(a).
- (b) The daily record shall be maintained, shall be kept, and shall be available for inspection in accordance with N.J.A.C. 7:26-2.13(b).
- (c) The permittee shall verify, retain and make available for inspection a waste origin/disposal (O and D) form for each load of solid waste received in accordance with N.J.A.C. 7:26-2.13(c).
- (d) The permittee shall submit monthly summaries of wastes received to the Division of Solid and Hazardous Waste, Bureau of Recycling and Planning and the Solid Waste Coordinator for the district where the facility is located, on forms provided by the Department (or duplicates of same), no later than 20 days after the last day of each month. The monthly summaries shall include the information specified at N.J.A.C. 7:26-2.13(e).
- (e) Pursuant to N.J.A.C. 7:26-6.4, upon request by the Department, the permittee shall submit, in such form as the Department may deem appropriate, information concerning the sources of wastes received and the transportation or disposal patterns associated with such wastes.

10. Conformance to the District Solid Waste Management Plan

Pursuant to N.J.A.C. 7:26-6.12(b), the permittee shall operate the facility in compliance with any applicable district solid waste management plan(s) as well as any amendments to and/or approved administrative actions concerning such plan(s). Should the permittee fail to comply with any applicable district solid waste management plan(s) as well as any amendment to or approved administrative actions concerning such plan(s), the permittee shall be deemed in violation of N.J.S.A. 13:1E-1 et seq. and N.J.A.C. 7:26-1 et seq. and shall be subject to applicable penalties provided thereunder, and any other applicable laws or regulations.

11. Compliance with Other State Regulations and Statutes

Pursuant to N.J.A.C. 7:26-2.8(h), the issuance of this permit shall not exempt the permittee from obtaining all other permits or approvals required by law or regulations.

12. Computerized Scales Requirement

The permittee shall operate and maintain computerized scales for the reporting requirements in N.J.A.C. 7:26-2.13 and pursuant to N.J.A.C. 7:26-2.13(a)8.

End of Section I

Section II

General Operating Requirements

1. General Operating Requirements For All Solid Waste Facilities

Pursuant to N.J.A.C. 7:26-2.11, the facility must be operated in compliance with the following general operating requirements:

- (a) Within each 24-hour period, the operator shall clean each area where waste has been deposited or stored. All areas where waste has been deposited in the sanitary landfill shall be covered with appropriate daily cover material.
- (b) No waste shall be stored overnight at the facility without effective treatment to prevent odors associated with putrefaction.
- (c) Facility property surrounding the actual disposal area shall be maintained free of litter, debris, and accumulations of unprocessed waste, process residues and effluents. Methods of effectively controlling wind-blown papers and other lightweight materials such as fencing shall be implemented at the facility.
- (d) Methods of effectively controlling dust shall be implemented at the facility in order to prevent offsite migration.
- (e) The operation of the facility shall not result in air contaminants to be emitted in violation of N.J.A.C. 7:27-5.2(a).
- (f) The operator shall maintain all facility systems and related appurtenances in a manner that facilitates proper operation and minimizes system downtime. When requested, the operator of the facility shall furnish proof that provisions have been made for the repair and replacement of equipment that becomes inoperative.
- (g) An adequate water supply and adequate fire-fighting equipment shall be maintained at the facility or be readily available to extinguish any and all types of fires. Fire-fighting procedures as delineated in the approved O and M manual, including the telephone numbers of local fire, police, ambulance and hospital facilities, shall be posted in and around the facility

at all times.

- (h) The operator shall effectively control insects, other arthropods and rodents at the facility by means of a program in compliance with the requirements of the New Jersey Pesticide Control Code, N.J.A.C. 7:30, and implemented by an applicator of pesticides, certified in accordance with the New Jersey Pesticide Control Code, N.J.A.C. 7:30.
- (i) Only solid waste vehicles properly registered, pursuant to N.J.A.C. 7:26-3, with the Division of Solid and Hazardous Waste, unless exempt from the registration requirement pursuant to N.J.A.C. 7:26-3.3, and displaying the appropriate registration number and solid waste decal shall be admitted for loading and unloading of any solid waste at the facility. Solid waste vehicles exempt from registration shall not be admitted to the tipping area when registered, commercial type solid waste vehicles including, but not limited to, compactor trucks, trailers or any solid waste vehicle that tilts or uses other mechanical means to discharge its solid waste are being unloaded, or when other heavy equipment is being operated in the tipping area. The facility shall be sufficiently staffed to ensure that this requirement is not violated.
- (j) The operator shall maintain a secure area under the facility's control, located a safe distance from the tipping area, where solid wastes may be unloaded from those solid waste vehicles which are exempt from the registration requirements of N.J.A.C. 7:26-3.3. Bulky items and recyclable materials may be provided for in this manner. It shall be the operator's responsibility to remove the bulky items, recyclable materials or other waste from the designated area at a frequency so as not to exceed the storage capacity of the areas.
- (k) The operator shall at all times comply with the conditions of this SWF permit, as well as all other permits or certificates required and issued by the Department or any other governmental agency. The operator shall not receive, store, handle, process or dispose of waste types not specifically identified in this SWF permit or other permit or certificate issued by the Department.
- (l) The operator shall designate a secure area under

the facility's control, located a safe distance from the active disposal area, where solid waste, including suspected hazardous waste, which the facility is not permitted to receive shall be deposited until the operator receives instruction from the Department as to the proper disposal of the unpermitted waste.

- (m) The operator shall maintain a record of the quantity of each authorized waste type accepted for disposal, in accordance with N.J.A.C. 7:26-2.13 and 3.2.
- (n) Departmental inspectors shall have the right to enter and inspect any building or other portion of the facility, at any time. This right to inspect includes, but is not limited to:
 - 1. Sampling any materials on site;
 - 2. Photographing any portion of the facility;
 - 3. Investigating an actual or suspected source of pollution of the environment;
 - 4. Ascertaining compliance or non-compliance with any statutes, rules, or regulations of the Department, including conditions of this SWF permit or other permit or certificate issued by the Department; or
 - 5. Reviewing and copying all applicable records, which shall be furnished upon request and made available at all reasonable times for inspection.
- (o) The quantity of waste received by the facility operator shall not exceed the system's designed handling, storage, processing or disposal capacity as identified in this SWF permit or other permit certificate. The designed processing and disposal capacity approved within the solid waste facility permit, or any other permit certificate or approval conditions as a ton per day operational maximum shall be inclusive of all solid waste received at the MRF facility as well as all tonnages of source separated recyclables received.
- (p) The facility shall be operated in a manner that employs the use of the equipment and those techniques for the receipt, storage, handling, processing or disposal of incoming waste and process residues that are specifically authorized by this SWF permit.

(q) The operator shall provide a means of removing mud, solid waste or other debris from the tires of all vehicles. Vehicle tires shall be cleaned prior to the vehicle's departure from the facility's boundaries.

(r) The approved final O and M manual shall be maintained at the facility. A written description of any proposed changes to the approved, final O and M manual shall be submitted to the Department for review. These proposed changes should not be implemented at the facility until the Department approves the changes.

2. General Operating Requirements for Class I Sanitary Landfills

All Class I sanitary landfills shall be operated in accordance with the requirements set forth in N.J.A.C. 7:26-2.8, and the following additional operational, maintenance, inspection and monitoring requirements set forth in N.J.A.C. 7:26-2A.8.

The sanitary landfill shall be operated in accordance with the following additional minimum requirements:

(a) Working Face

1. The working face shall be confined to the smallest practical area, as is consistent with the proper operation of trucks and equipment, in order that the area of waste material exposed during the operating day is minimized. The width of the working face shall be no greater than 150 feet.

2. All waste shall be thoroughly compacted throughout the operational day to yield the smallest practical volume.

3. Solid waste shall be compacted in shallow layers. The layers should be less than two feet in thickness and should be compacted with a minimum of four passes of the compaction equipment. Sanitary landfill equipment shall be prohibited from operating over leachate collection pipes until a minimum of five feet of refuse has been mounded over and around the pipe.

4. The lift height of the daily cell, as measured vertically from the previous day's cover surface, shall not exceed 12 feet.

5. The slope of the working face shall be maintained so as to maximize compaction of the solid waste and minimize infiltration into the solid waste. The slope shall be no steeper than three horizontal to one vertical (3:1).

(b) Daily, Intermediate and Final Cover

I.

1. The daily covering of solid waste shall be a progressive operation so that no greater than 15,000 square feet of solid waste is exposed at any time throughout the operating day for each 150 feet of working face.
2. All exposed surfaces of solid waste shall be covered at the close of each operating day with a minimum of six inches of daily cover or alternate cover material as approved by the Department.
3. Intermediate cover, a minimum of 12 inches of cover material, shall be applied to all surfaces to be exposed for any period exceeding 24 hours.
4. The grade and thickness of the intermediate and final cover material on all surfaces shall be maintained until stabilized. All cracks, erosion swales, rills and uneven areas shall be maintained to prevent extrusion of solid waste and to minimize infiltration and ponded water.
5. All areas with intermediate cover shall be graded so as to facilitate drainage of run-off to the surface drainage system and minimize infiltration and ponded water.
6. Heavy clays and very fine grain materials, such as fly ash, shall not be used as daily and intermediate cover. The daily and intermediate cover material should be of a quality that is manageable under all weather conditions. A sufficient quantity of cover material shall be at the site to adequately meet the requirements of (b)1 through 4 above. For landfills without on-site supplies of cover material, a standby supply for cover material equal to 25 percent of the volume of waste received and compacted at the landfill in 10 normal disposal days shall be stored within the boundaries of the landfill

property.

7. Final cover constructed in accordance with N.J.A.C. 7:26-2A.7(i) shall be applied to all surfaces where the final approved elevation has been reached and to all surfaces when the landfill operation is terminated.
8. There shall be sufficient types of quantities of equipment for digging, spreading, compacting or covering waste or applying cover material to adequately meet the requirements of (b)1 through 4 above, to ensure a smooth flow of traffic at the working face and to achieve the maximum compaction efficiencies.
9. The compaction equipment shall include the use of steel wheel type compactors with a minimum operational weight of 45,000 pounds.
10. Sanitary landfill equipment shall be equipped with hand-portable fire extinguishers of a multipurpose dry chemical type, an automatic fire suppression system, and rollover protection structures and any other safety equipment required by the Occupational Health and Safety Administration standards.
11. In case of breakdown of the equipment required by (b)8 above, the permittee shall repair the equipment or obtain replacement equipment within 24 hours after breakdown. Unless sufficient types and quantities of replacement equipment meeting the requirements of (b)8 above are available on-site, written maintenance contracts with a local equipment dealer shall be in force at all times. A copy of the contract shall be submitted with the O and M manual to verify compliance with this requirement.

(b) Access

1. Access to the sanitary landfill for solid waste disposal shall be permitted only during the operating hours set by the Division of Solid and Hazardous Waste Management and shall be restricted to 7:00 A.M. to 7 P.M.
2. The sanitary landfill shall be adequately secured with a six-foot high chain link fence with an entrance gate, posted with the

operating hours, that can be locked to prevent unauthorized entry into the facility. Fencing is not required along the Toms River due to the topographic feature restricting vehicular access to the sanitary landfill.

(d) Housekeeping

1. Dust control shall be effected by the spraying of water or the spreading of calcium chloride or an equivalent approved by the Department, as needed. Spraying of waste oil is prohibited.
2. The operation of the facility shall not result in air contaminants to be emitted in violation of N.J.A.C. 7:27-5.2(a). Malodorous emissions shall be controlled by the use of daily cover. In the event that this is not satisfactory, a suitable deodorant shall be used. Malodorous solid waste shall be covered immediately after unloading with a minimum of six inches of cover material or approved alternative material.
3. The sanitary landfill shall be operated in a manner which minimizes the propagation and harborage of insects, rodents, and birds.
4. The sanitary landfill shall be operated in a manner that will protect all monitoring devices and environmental systems from damage. Any damage shall be immediately reported to the Department at 1-877-WARN DEP.
5. Any monitoring device or environmental control system which is damaged so as to impair the proper operation of the monitoring device or environmental control system shall be reconstructed in accordance with the following:
 - i. The operator shall repair the monitoring device or environmental system in accordance with the plans and schedule approved by the Department; and
 - ii. The Department may require immediate remedial action for repair of the damaged monitoring device or environmental control system should such damage endanger human health or the environment.

1. The sanitary landfill shall be operated in a manner which will facilitate the filling of each section to final grade and which will minimize the operational phase of each section.
2. An all weather road shall be provided to the working face.
3. Litter shall be controlled through the use of moveable fences of sufficient height or by an equivalent means. The litter fence shall be policed daily and the litter collected shall be properly disposed of at the working face.
4. Mud, soil, and other materials shall not be tracked onto any public road by exiting vehicles. A rumble rack or wheel washing station may be used to control the off site tracking of mud, soil, and other material.

(e) Facility Staffing

1. An adequate number of qualified personnel shall be at the sanitary landfill to maintain the smooth flow of traffic at the sanitary landfill and to operate the sanitary landfill in a manner that is in compliance with the requirements of the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq., N.J.A.C. 7:26, and the conditions of this SWF permit; and
2. A supervisor shall be at the sanitary landfill during all operating hours to ensure proper operation of the sanitary landfill, to evaluate the monitoring data and inspection reports, to determine the performance of the sanitary landfill and to direct and implement all operational decisions to ensure the facility's compliance with the requirements of the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq., N.J.A.C. 7:26, and the conditions of this SWF permit.

(f) Facility Personnel Training

1. All sanitary landfill personnel who are involved in waste management activities or who operate, service or monitor any facility equipment, machinery or system, shall complete a program of on-the-job training which shall include, at a

minimum, the following:

- i. The training program shall be directed by a person thoroughly familiar with the technology being utilized at the facility and the conditions of this SWF permit.
 - ii. The training shall include instruction in the operation and maintenance of the equipment, machinery and systems which facility personnel must operate service or monitor in the course of their daily job duties. The training shall instruct facility personnel in the performance of their duties in a manner that ensures the facility's compliance with the requirements of the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq., N.J.A.C. 7:26, and the conditions of this SWF permit.
 - iii. The training program shall ensure that the facility personnel are able to effectively respond to any equipment malfunction or emergency situation that may arise.
 - iv. The training program shall provide instruction in the use of safety and emergency equipment and the use of communication or alarm systems.
 - v. The training program shall provide instruction in the procedures for emergency response for sanitary landfill fires or explosions, gas leaks, leachate treatment system failure or leaks, detention basin breaches or other emergencies and shall include procedures to shut down operations.
2. The sanitary landfill facility personnel shall complete the initial training program required by (f)1 above within six months after the date of their employment.
 3. The sanitary landfill facility personnel shall take part in an annual update of the initial training program.
 4. Training records that document the type and amount of training received by current facility personnel shall be kept until closure of the sanitary

landfill.

(g) Emergency Actions

The following actions shall be implemented in the case of an emergency:

1. The supervisor or emergency coordinator shall immediately identify the character, exact source, amount and extent of any discharged materials and notify appropriate State or local agencies with designated response roles if their help is needed.
2. Concurrently, the supervisor or emergency coordinator shall assess possible hazards to public health or the environment that may result from the discharge, fire or explosion. This assessment shall consider both direct and indirect effects.
3. If the supervisor or emergency coordinator determines that the facility has had an uncontrolled discharge, a discharge above standard levels permitted by the Department, or a fire or explosion, he or she shall:
 - i. Immediately notify appropriate local authorities if the assessment indicates that evacuation of local areas may be advisable;
 - ii. Immediately notify the Department at 1-877-WARN DEP; and
 - iii. When notifying the Department, report the type of substance and the estimated quantity discharged, if known, the location of the discharge, actions the person reporting the discharge is currently taking or proposing to take in order to mitigate the discharge and any other information concerning the incident which the Department may request at the time of notification.
4. The supervisor shall take all reasonable measures to ensure that fires, explosion and

discharges do not recur or spread to other areas of the facility. These measure shall include, where applicable, the cessation of operations and the collection and containment of released waste.

5. Immediately after an emergency, the supervisor or emergency coordinator shall provide for treating, storing or disposing of waste, contaminated soil or water or any other material contaminated as a result of the discharge, fire or explosion.

1. The supervisor or emergency coordinator shall ensure that no waste is processed until cleanup procedures are completed and all emergency equipment listed in the contingency plan is again fit for its intended use.

2. The supervisor or emergency coordinator shall notify the Department and appropriate local authorities when operations in the affected area of the facility have returned to normal.

3. Within 15 days after the incident, the supervisor or emergency coordinator shall submit a written report on the incident to the Department. The report shall include, but not be limited to:

- i. The name, address, and telephone number of the facility;
- ii. The date, time and description of the incident;
- iii. The extent of injuries, if applicable, with names and responsibilities indicated;
- iv. An assessment of actual damage to the environment, if applicable;
- v. An assessment of the scope and magnitude of the incident;
- vi. A description of the

immediate actions that have been initiated to clean up the affected area and prevent a recurrence of a similar incident; and

- vii. An implementation schedule for undertaking longer term measures to effect cleanup and avoid recurrence of the incident, if applicable.

(h) Fire Fighting

1. In case of a fire on an active sanitary landfill, the responsibility for fire control shall lie with the SWF permit holder.
2. The owner or operator of any landfill wherein smoldering, smoking or burning is occurring shall immediately notify the local police and fire department having jurisdiction and the Department hot-line 1-877-WARN DEP.
3. The owner or operator of any active landfill shall be responsible for initiating and continuing fire-fighting actions until all smoldering, smoking and burning ceases.
4. The owner or operator of any landfill shall seek and obtain fire-fighting assistance if smoldering, smoking or burning persists for longer than 24 hours.
5. The owner or operator of any landfill shall not conduct disposal activities within the burning area. Precautions shall be taken to prevent disposal activities from interfering with fire-fighting activities.
6. Any disruption of the finished grade or covered surface shall be repaired and recovered upon completion of fire-fighting activities.

(i) Weigh Scales

A scale house and scales meeting the requirements of N.J.S.A. 13:E-117 and the guidelines promulgated pursuant thereto, shall be operated at the sanitary landfill.

(j) Asbestos Disposal

1. The owner and/or operator shall only accept and dispose of asbestos and asbestos-containing waste materials which have been managed in accordance with N.J.A.C. 7:26-2.12(a).
2. The owner and/or operator shall operate a separate area of the landfill, apart from other waste disposal areas, for disposal of asbestos and asbestos-containing waste materials. It is recommended that the asbestos disposal area be operated by a trench method, with sufficient width and ramping to allow the transport vehicle to back up to or into the trench to allow for proper unloading of the asbestos and asbestos-containing waste materials in a manner that prevents the rupture of the containers during the unloading.
3. Upon acceptance of the waste, the asbestos disposal area shall immediately be prepared. After unloading, the asbestos and asbestos containing waste materials shall be immediately covered with daily cover. To prevent disturbance of the buried asbestos and asbestos containing waste, truck traffic shall be excluded from the active asbestos disposal area.
4. In areas in which asbestos and asbestos-containing waste materials has been previously deposited, as required by 3 above, the current working face may be prepared by removal of cover material; however, no previously deposited asbestos and asbestos-containing waste materials shall be exposed and a minimum of six inches of cover material shall be maintained between cells. After unloading, the asbestos and asbestos-containing waste materials shall be immediately covered with a minimum of three feet of daily cover of earth or other approved cover material in a manner that prevents the rupture of the containers during the burying operation.
5. The final cover of the asbestos disposal area shall be constructed in accordance with Condition 4(b) of Section III and shall be sufficient to minimize infiltration into the asbestos and asbestos-containing waste materials. The final slopes shall be graded to facilitate run-off away from the asbestos disposal area.
6. The final cover shall be seeded and maintained to

prevent erosion and exposure of the asbestos and asbestos-containing waste materials.

7. A detailed metes-and-bounds description of the asbestos disposal area shall be recorded, along with the deed for the landfill property, with the appropriate county recording office, notifying future owners of the property that disruption or excavation is expressly prohibited pursuant to N.J.A.C. 7:26-2A.8(1)2v. The description shall also include the depths of asbestos and asbestos-containing waste materials and cover material and shall remain in the record in perpetuity.
8. The intermediate and/or final landfill cover of the asbestos disposal area may not be disrupted, except as required for pollution control or remedial action, in which case disruption must be managed in compliance with State regulations and 40 C.F.R. Part 61 governing the removal, disposal or other handling of asbestos or asbestos-containing waste materials.
9. No person may enter an asbestos disposal area at a landfill during the unloading and covering of asbestos and asbestos-containing waste materials without wearing a respirator approved for asbestos by the National Institute for Occupational Safety and Health and the Mine Safety and Health Administration. This equipment shall be provided and maintained in good working order by the landfill owner and/or operator for its employees. Transporters of asbestos and asbestos-containing waste materials shall be responsible for providing respirators, any mandatory training and fit testing for its drivers and passengers.
10. Either there shall be no visible air emissions during or after acceptance and disposal to the outside air from any active waste disposal site where asbestos-containing waste material has been deposited, or the following requirements shall be met:
 - i. Rather than meet the no visible emissions requirement of this paragraph, the owner and/or operator shall ensure that the asbestos or asbestos-containing waste material that has been deposited at the site shall:

- (1) Be covered with at least six inches of compacted non-asbestos-containing material; or
 - (2) Be covered with a resinous or petroleum-based dust suppression agent that effectively binds dust and controls wind erosion. Such an agent shall be used in the manner and frequency recommended for the particular dust by the dust suppression agent manufacturer to achieve and maintain dust control. Other equally effective dust suppression agents may be used upon prior approval by the Department. For purposes of this paragraph, any used, spent, or other waste oil is not considered a dust suppression agent.
 - i. Rather than meet the no visible emission requirement of this paragraph, the owner and/or operator may use an alternative emissions control method that has received prior written approval by the Department.
 1. The requirements in this section do not apply to asbestos and asbestos-containing waste materials generated in a renovation or demolition project wherein the total project involves less than 260 feet of asbestos-coated pipe or less than 160 square feet of asbestos-coated surface, such as ducts, boilers, tanks, structural members and the like.
 12. The operator shall maintain a secured drop-off area for the acceptance of asbestos and asbestos-containing waste materials separate and apart from the disposal area. The operator shall ensure that the container used for drop-off is fully enclosed and located on an impermeable surface. No person other than facility personnel or a licensed commercial asbestos removal contractor may load the asbestos or asbestos-containing waste materials into the container used for drop-off. It shall be the operator's responsibility to remove the asbestos waste at a frequency so as not to exceed the storage capacity of the area.
3. General Maintenance and Inspection Requirements for Class I Sanitary Landfills

- (a) While the sanitary landfill is in operation all environmental control systems shall be maintained in a proper functioning manner and shall be inspected to ensure compliance with the operational and construction/requirements and the design and performance standards.
- (b) The inspections, required by (a) above, shall be performed, unless otherwise stated, on a weekly basis and after storm events to detect evidence or deterioration, malfunction or improper operation.
- (c) The owner and/or operator shall record the results of the inspections in a log book or by means of an electronic records storage system approved by the Department which shall be maintained at the sanitary landfill office and be accessible, at all times, for inspection by the Department. These records shall include the date and time of the inspection, the name of the inspector, a notation of observations and recommendations and the date and nature of any repairs or other remedial action.
- (d) If deterioration which would result in failure, malfunction or improper operation is evident during inspection, the operator shall make repairs in accordance with condition 2(d)5 of Section II "General Operating Requirements for Class I Sanitary Landfills" and as listed in the approval final O and M manual.
- (e) The sanitary landfill shall be maintained and inspected by the owner and/or operator in accordance with the following additional minimum requirements:
 - 1. The buffer zone shall be maintained free from litter. The entire area shall be policed on a daily basis, weather permitting, and the collected litter shall be properly disposed of at the working face.
 - 2. The all weather road shall be maintained as necessary to provide access to the working face.
 - 3. The public roads providing access to the sanitary landfill shall be maintained free of mud, dirt, and litter. The entrance shall be properly policed on a daily basis, weather permitting.
 - 4. The vertical and horizontal control monuments shall be maintained and resurveyed by a licensed

New Jersey Land Surveyor and certified for accuracy biennially. The survey shall be, at a minimum, second order accuracy in accordance with the "Classification Standards of Accuracy, and General Specifications of Geodetic Control Survey" published by the U.S. Department of Commerce 1980. The control monuments shall be tied into the national or state geodetic survey network.

5. All emergency equipment shall be maintained in a proper functioning manner. The equipment shall be tested on an annual basis.
6. The leachate collection pipes shall be maintained to ensure a free flow of leachate. The leachate collection pipes shall be inspected and if blockage and clogging of the system is evident the collection pipes shall be cleared by water jet flushing or an equivalent method. The mains shall be tested annually to ensure a free flow of leachate.
7. The structural integrity of the manholes or clean-out risers shall be maintained to ensure a free flow of leachate.
8. The structural integrity of the sumps shall be maintained to ensure water tightness of the sump.
9. The structural integrity of the leachate pump station and gas pump station, and the electrical, venting and alarm systems of the leachate pump station and the gas pump station shall be maintained to ensure a free flow of leachate and gas.
10. The leachate pumping system and gas pumping system shall be maintained as necessary. They shall be completely overhauled, at a minimum, on a biennial basis and shall be inspected on a daily basis to ensure a free flow of leachate or gas.
11. The leachate treatment and disposal systems shall be inspected on a daily basis and maintained in a manner that will prevent anaerobic and malodorous conditions from developing.
12. The structural integrity of the storage tanks shall be maintained to ensure containment of leachate. The tanks shall be inspected annually for leaks.

13. The structural integrity and erosion protection shall be maintained on all areas of the surface impoundments to ensure stability of the dike and emergency spillways and containment of the leachate and run-off. The surface impoundment shall be inspected on a daily basis to ensure that the minimum depth of freeboard is maintained.
14. The leachate treatment and disposal system units, storage tanks, surface impoundments, and detention/retention ponds shall be dredged, as necessary, to maintain the design capacity. Dredging shall not result in or cause damage to the containment system.
15. The structural integrity of the vents, manifolds and piping of the gas venting system shall be maintained to insure a free flow of gas.
16. The structural integrity of the gas flaring or recovery/combustion systems shall be inspected on a daily basis and shall be maintained to ensure proper disposal or use of the collected gas.
17. The structural integrity of all monitoring devices shall be maintained to ensure their workability and reliability.
18. The structural integrity and erosion protection of the surface run-on/run-off structures shall be maintained on all areas of the capping system to ensure the stability of the slope and prevent excess erosion. The top grades shall be maintained at their proper slopes to minimize ponding.

4. General Monitoring Requirements for Class I Sanitary Landfills

Monitoring shall be performed in accordance with the following parameters and schedules:

- (a) Sampling and analysis of water from the groundwater monitoring wells shall be performed in accordance with the NJPDES regulations, N.J.A.C. 7:14A.
- (b) Sampling and analysis of surface water taken from the surface water monitoring locations shall be performed in accordance with N.J.A.C. 7:14A.

- (c) Leachate monitoring of the influent and effluent of the treatment and disposal system shall be performed in accordance with the appropriate section of the NJPDES regulations at N.J.A.C. 7:14A.
- (d) In addition to the requirement of 4(c) above, the flow of leachate in the primary and secondary leachate collection and detection systems shall be recorded on a daily basis.
- (e) The daily leachate monitoring results shall be compiled on a quarterly basis and submitted to the Division.
- (f) Residuals from the treatment and disposal systems shall be sampled and analyzed in accordance with the requirements of the Sludge Quality Assurance Regulations, N.J.A.C. 7:14-4.
- (g) Sanitary landfill gases shall be sampled and analyzed in accordance with the following:
 - 1. A gas quality analysis shall be performed on the gas venting and collection systems as constructed in accordance with N.J.A.C. 7:26-2A.7(g)3 and 4 on an as-needed basis as determined by the Division and the Bureau of Air Quality Engineering, pursuant to N.J.A.C. 7:27.
 - 2. A methane gas survey shall be performed on a quarterly basis and the results shall be submitted to the Division. If gas is detected within the buffer zone the Department may require more detailed and frequent surveys to be performed.
 - 3. The methane gas survey shall be performed with a hand-held portable explosimeter or equivalent and the minimum sampling depth shall be three feet below the ground surface or above the water table, whichever is higher.
 - 4. The sampling for the methane gas survey shall be performed on a quarterly basis around the perimeters of the buffer zone of active landfill areas and annually around the entire perimeter of the buffer zone of the sanitary landfill. The maximum interval between sampling points shall be 300 feet. Sampling shall be performed around the perimeter of all on-site structures. The maximum interval between sampling points for structures

shall be 50 feet; however, there shall be at least one sampling point along each side of the structure. If repeated methane gas surveys consistently detect no methane gas around the perimeters of the buffer zone of the active landfill area or at any location around the entire perimeter of the buffer zone of the sanitary landfill, the maximum interval between sampling points shall be increased and/or the sampling frequency shall be decreased, as approved by the Department, based on negative results at a particular location.

- (a) The daily precipitation data from the meteorologic monitoring system shall be compiled and submitted on a quarterly basis to the Division.
- (b) The permittee shall submit an annual topographic survey of all areas of the sanitary landfill. The topographic survey shall be made between January 1 and March 31 of each year and submitted on or before May 1 of each year in accordance with N.J.A.C. 7:26-2A.8(i).

5. General Operating Requirements for the Materials Recovery Facilities

- (a) Pursuant to N.J.A.C. 7:26-2B.5(b)2, facility processing, tipping, sorting, storage and compaction areas shall be located within the confines of an enclosed building.
- (b) Pursuant to N.J.A.C. 7:26-2B.5(b)12, the installation, maintenance, operation, and repair of all systems identified within the interior layout of the facility shall comply with the requirements established by the Federal Occupational Health and Safety Administration and the New Jersey Worker and Community Right to Know Act.
- (c) The transfer of material off-site, other than recyclables, recovered from the waste stream within the materials recovery facility is prohibited.

End of Section II

Section IIISpecific Conditions Applicable to the Landfill Facility1. Permitted Waste Types

The permittee is authorized to accept the following waste types:

<u>ID</u>	<u>DESCRIPTION</u>
10	Municipal (household, commercial and institutional)
11	Bulky waste
13C	Construction and demolition waste
23	Vegetative waste
25	Animal and food processing wastes
27	Dry industrial waste
27A	Waste material consisting of asbestos or asbestos containing waste
27I	Waste material consisting of incinerator ash or ash containing waste

The permittee is not authorized to accept any other type or description of solid waste as defined at N.J.A.C. 7:26-2.13(g) and (h), regulated medical waste as defined at N.J.A.C. 7:26-3A.6(a), or hazardous waste as defined at N.J.A.C. 7:26-G(5).

2. Approved Designs, Plans and Reports (Revised June 21, 2002)

(a) The permittee shall operate the facility, and construct or install associated appurtenances thereto, in accordance with the provisions of N.J.A.C. 7:26-1 et seq., the conditions of this permit, and the following permit application documents which are incorporated herein by reference:

1. Solid Waste Facility Permit Application Form, signed on July 6, 1999 by Charles Hesse, III (Ocean County Landfill Corporation - President) and by the applicant's agent Joseph J. Gurda, P.E., of EMCON, Senior Engineer, N.J.P.E. License No. 19644.
2. "Capacity Modification Engineering Plans, Prepared for Ocean County Landfill Corporation, Manchester Township, Ocean County, New Jersey", dated June 1999 and revised February 2000, as prepared, signed and sealed by Joseph J. Gurda, P.E., of EMCON, Senior Engineer, N.J.P.E. License No. 19644.

Drawing number FX5 of the Capacity Modification Engineering Plans was changed to include a revised vicinity map, dated June 8, 2001, showing the relocation of the phase II screening berm.

3. "Engineering Report for the Ocean County Landfill Facility - Volumes I & II", dated October 1993 and revised June 1999.
4. "Draft Operations and Maintenance Manual for the Landfill Facility for the Ocean County Landfill Facility" dated November 1993 and revised June 1999.
5. "Environmental and Health Impact Statement for the Landfill Facility at the Ocean County Landfill Corporation Integrated Solid Waste Management Facility -Volumes I & II", dated October 1993.
6. "Geotechnical Report for the Landfill Facility at the Ocean County Landfill Solid Waste Management Facility -Volumes I & II", dated November 1993 and revised June 1999.
7. "Quality Assurance and Quality Control Plan for the Ocean County Landfill Solid Waste Management Facility", dated October 1993 and revised June 1999.
8. "Addendum to the Application for a Solid Waste Facility Permit for the Landfill Facility at the Ocean County Landfill Corporation Integrated Solid Waste Management Facility", dated February 1994.
9. "Addendum No. 2 to the Application for a Solid Waste Facility Permit for the Landfill Facility at the Ocean County Landfill Corporation Integrated Solid Waste Management Facility", dated November 1994.
10. "Supplement to Addendum No. 2 to the Application for a Solid Waste Facility Permit for the Landfill Facility at the Ocean County Landfill Corporation Integrated Solid Waste Management Facility", dated February 1995.
11. "Addendum No. 3 to the Application for a Solid Waste Facility Permit for the Landfill Facility at the Ocean County Landfill Corporation Integrated Solid Waste Management Facility", dated April 1995.

12. "Engineering Plans for the Landfill Facility at the Ocean County Landfill Corporation, Cell 7 Modifications, Manchester Township, Ocean County, New Jersey", dated March 1998, revised May 1998.
13. "Engineering Plans for Leachate Recirculation System, Prepared for Ocean County Landfill Corp., Manchester Township, Ocean County, New Jersey, dated May 1998."
14. "Plans for the Leachate Storage Tanks, Prepared for Ocean County Landfill Corp., Manchester Township, Ocean County, New Jersey, dated December 1998."
15. "Addendum to Solid Waste Facility Application for the Capacity Modification and Materials Recovery Facility at the Ocean County Landfill - Volumes I, II & III", dated February 2000.
16. "Environmental Review of the Proposed Ocean County Landfill Capacity Modification, Lakehurst, New Jersey", dated July 1999.
17. "Draft Operations and Maintenance Manual for the Material Recovery Facility at the Ocean County Landfill Solid Waste Management Facility", dated June 1999.
18. "Addendum No. 2 to Solid Waste Facility Application of the Capacity Modification and Materials Recovery Facility at the Ocean County Landfill", dated March 2000.
19. "Temporary Scale Facility Prepared for Ocean County Landfill Corp.", dated July 2000 and revised May 21, 2001.
20. "Engineering Design Report, Cell 6 Leachate Recirculation System, Ocean County Landfill, Manchester Township, New Jersey", dated February 2001.
21. "Construction Plans for Cell 6 Temporary Cap, Prepared for Ocean County Landfill Corporation, Manchester Township, Ocean County, New Jersey", dated January 2001 and revised December 2001.
22. "Final Operations and Maintenance Manual for the Ocean County Landfill Facility", dated November 1993 and last revised on March 2002.

- (b) In case of conflict, the provisions N.J.A.C. 7:26-1 et seq. shall have precedence over the conditions of this permit, the conditions of this permit shall have precedence over the SWF permit application documents listed above, and the most recent revisions and supplemental information approved by the Department shall prevail over prior submittals and designs.
- (c) One complete set of the permit application documents listed in Condition 2(a) above, this Solid Waste Facility Permit, and all records, reports and plans as may be required pursuant to this permit shall be kept on-site and shall be available for inspection by authorized representatives of the Department upon presentation of credentials.

3. Approved Operations

- (a) The areal extent of the landfill shall be approximately 593 acres. Final elevation, including the final cover, shall not exceed elevation 175 feet above mean sea level for the entire landfill. All sideslopes shall be constructed as specified on the referenced engineering plans.
- (b) The permittee shall accept waste at the facility from 7:00 A.M. to 3:30 P.M., Monday through Friday; and from 7:00 A.M. to 12:00 Noon on Saturday. The facility shall be closed on Sundays and holidays as defined in the Operations and Maintenance Manual.

4. Construction Requirements

The permittee is authorized to modify the liner and final grading plan as detailed in the engineering designs referenced in Condition 2(a) of this Section.

(a) Landfill's Liner System Profile

The landfill's liner profile for the valley fill area, in descending order, shall be as follows:

1. Two feet of primary collection system blanket drain soil with a minimum hydraulic conductivity of 0.005 cm/sec. This drainage layer contains the primary leachate collection piping.
2. Primary 60 mil HDPE geomembrane.
3. Two feet of clay having a maximum hydraulic conductivity of 1×10^{-7} cm./sec.

4. Filter fabric.
5. One foot of secondary collection system blanket drain soil with a minimum hydraulic conductivity of 0.003 cm/sec. This drainage layer contains the secondary leachate detection/collection piping.
6. Secondary 60 mil HDPE geomembrane.
7. Eighteen inches of clay having a maximum hydraulic conductivity of 1×10^{-7} cm./sec.
8. Six inches of compacted subgrade.

The landfill's liner profile for Cell 8 and Cell 9, in descending order, shall be as follows:

1. Two feet of primary collection system blanket drain soil with a minimum hydraulic conductivity of 0.005 cm/sec. This drainage layer contains the primary leachate collection piping.
2. 60 Mil HDPE textured geomembrane.
3. Geosynthetic clay liner.
4. Geocomposite drain. This layer contains the secondary leachate collection piping.
5. 60 Mil HDPE textured geomembrane
6. Eighteen inches of clay having a maximum hydraulic conductivity of 1×10^{-7} cm./sec.
7. Six inches of compacted subgrade.

(b) Landfill's Final Cover System Profile

The final cover for the landfill shall consist of the following capping system in descending order:

1. Six inches of top soil.
2. Twelve inches of cover soil.
2. Four inch drainage pipe.
3. Forty mil textured HDPE geomembrane.
4. Six inches of subbase

The establishment of vegetative cover in accordance with the Soil Erosion and Sediment Control Plan shall stabilize the final cover. Final cover shall be applied within six (6) months to any area where final elevations have been achieved.

(c) Construction Quality Assurance/Quality Control (QA/QC)

1. A quality assurance inspector, independent of the quality control inspector, approved by the Department and reporting directly

to the Department, shall be at the site at all times during the initial construction phase of the containment and leachate collection systems to observe and perform all required systems audits of the quality control inspections, as set forth at 2, 3 and 4 below, to insure proper implementation of the design and permit requirements. For the purposes of this section, quality control assurance means the periodic testing and observations performed by the owner and/or operator of a landfill as a check on the construction contractor's quality control activities. The QA and QC plan is referenced in Condition 2(a) of this section.

2. A meeting shall be held between the quality assurance inspectors and the Department to establish reporting procedures and frequency, in accordance with the construction scheduling.
3. Quality control inspectors shall be at the site during all phases of construction to ensure and verify that the approved sanitary landfill design and SWF permit landfill construction requirements are properly implemented.

The quality control inspectors shall, at a minimum, be at the site at all times during the construction of the containment and leachate collection systems. For the purposes of this section, quality control means those activities are responsibilities assigned to the construction contractor, manufacturer, installer or supplier to measure and regulate the characteristics or properties of an item in order to ensure that the applicable landfill construction requirements at N.J.A.C. 7:26-2A.7 and the SWF permit conditions are met. This includes those actions taken before, during, or after construction to ensure that the materials used and the completed workmanship are in conformance with the construction requirements at N.J.A.C. 7:26-2A.7 and the SWF permit.

4. The quality control measures and tests required by N.J.A.C. 7:26-2A.7 and described in the QA and QC plan submitted in accordance with N.J.A.C. 7:26-2A.5(a)7 shall be employed to ensure

that the construction requirements are properly implemented and that the design and performance standards are achieved.

5. The scheduled frequency of inspections by the independent quality assurance inspectors may be reduced or discontinued if approved by the Department. The reductions or discontinuance shall be based on the results of the initial construction tests and the precision and consistency of the quality control test results.
6. At such time as the independent quality assurance inspector is discontinued, as approved by the Department, the activities performed by the quality assurance inspector shall be carried out by the permittee's quality control inspectors in accordance with the approved Quality Assurance and Quality Control Plan.
7. The Department may reinstate the independent quality assurance inspection at the site if the results of the construction tests and the precision and consistency of the quality control testing warrant such reinstatement.
8. Best available engineering construction practices shall be employed for all phases of the facility construction.

(d) As-Built Certification

1. A New Jersey licensed professional civil or geotechnical engineer shall certify, in writing, to the Department that he or she has supervised the inspection of the construction of each major phase of the sanitary landfill's construction. He or she shall further certify that each phase has been prepared and constructed in accordance with the engineering design approved by the Department, prior to operations. The certification shall include a final documentation report which shall summarize the daily quality control of construction activities as required by N.J.A.C. 7:26-2A.7(a)14 and shall include as-built drawings.
2. A New Jersey licensed professional civil or geotechnical engineer shall certify that the materials utilized in the containment system and leachate collection system are in conformance with

and meet the specifications of the approved engineering design.

3. There shall be no deviation made from the approved engineering design specification without the prior written approval of the design engineer and, at a minimum, prior approval by the Department.
4. All certifications shall bear the raised seal and signature of the licensed professional engineer, and the date of certification.
5. The certification shall include the following: "I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals under my supervision, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I understand that, in addition to criminal penalties, I may be liable for a civil administrative penalty pursuant to N.J.A.C. 7:26-5 and that submitting false information may be grounds for denial, revocation or termination of any solid waste facility permit for which I may be seeking approval or now hold."

5. Special Conditions (Revised June 21, 2002)

(a) Active Gas Collection System

An active gas collection system shall be installed at this facility as detailed in the engineering designs referenced in Condition 2(a) of this Section. The collected gas shall be flared on-site or used for energy applications. An Air Pollution Control permit shall be obtained prior to the construction of the landfill gas collection system pursuant to N.J.A.C. 7:27-8.2(a)1.

(b) Leachate Recirculation System

Leachate generated at this facility may be recirculated

through Cell 5 and Cell 6 to maintain the waste fill at field capacity. Leachate shall be pumped from the storage lagoon through force mains to the top of the cells and into a perforated pipe network, below the cap, which will distribute the leachate flow. Leachate distribution shall be rotated in groups of four between the sixteen laterals within Cell 5 and groups of eight to ten within the sixty laterals within Cell 6. The leachate recirculation system shall be operated to regulate flow of leachate through the distribution system by adjustment of a control valve.

Leachate seeps in side-slopes, should they occur during the leachate recirculation process, shall be handled by a leachate seep trench along the toe of Cell 5 and Cell 6. If a leachate seep is suspected, the leachate flow to the nearest lateral shall be reduced or suspended until the seep is eliminated.

The hydraulic head on the composite liner system shall be maintained at less than twelve inches at all times. Records of flow to and from the leachate recirculation system shall be recorded daily and submitted to the Bureau of Landfill & Recycling Management, Division of Solid and Hazardous Waste on a quarterly basis.

Should the operation of the leachate recirculation system result in odor problems beyond that which can be controlled by the gas collection system, the Permittee shall shut down the operation of the leachate recirculation system until a corrective action is implemented.

(c) Closure and Post-Closure Plan

The Permittee shall comply with the requirements of N.J.A.C. 7:26-2A.9 for the closure and post-closure care of this facility. Failure to comply with the requirements of any closure plan approval issued from the Department may result in the revocation of this Permit.

(d) Alternate Cover Material

The residuals from the on-site materials recovery facility, street sweepings, dredge materials and other materials approved by the Department, used as an alternate daily cover material shall meet the following performance standards:

1. The volatile solids, or combustible, content of the cover shall not exceed 12 percent by weight.
2. No more than 20 percent of fine grained materials shall pass a No. 200 sieve.
3. At least 40 percent by weight of the fragments in the soil admixture shall be capable of passing through a No. 10 mesh sieve.
4. Particle sizes shall not exceed six inches in diameter.

(e) Submission Schedule for Monitoring

The following information shall be submitted to the Bureau of Landfill & Recycling Management, Division of Solid and Hazardous Waste:

<u>Document</u>	<u>Frequency</u>	<u>Due Date</u>
Leachate monitoring results (quantity)	quarterly	January, April, July, October
Daily precipitation summary	quarterly	January, April, July, October
Methane gas survey results	quarterly	January, April, July, October
Topographic survey	annually	(before May 16)
Leachate recirculation results		January, April, July October

End of Section III

Section IVSpecific Conditions Applicable to the Materials Recovery Facility1. Permitted Waste Types

The permittee is authorized to accept the following waste types:

<u>ID</u>	<u>DESCRIPTION</u>
13	Bulky waste
13C	Construction and demolition waste

2. Approved Designs, Plans and Reports

The permittee shall operate the facility, and construct or install associated appurtenances thereto, in accordance with the provisions of N.J.A.C. 7:26-1 et seq., the conditions of this permit, and the following permit application documents which are referenced in Condition 2(a) of Section III.

3. Approved Operations

- (a) The permittee shall accept and recycle materials at the facility from 7:00 A.M. to 3:30 P.M., Monday through Friday; and from 7:00 A.M. to 12:00 Noon on Saturday. Processing of the material may continue until 5:00 P.M., Monday through Friday and until 12:00 Noon on Saturday. The facility shall be closed on Sundays and holidays as defined in the Operations and Maintenance Manual.
- (b) The materials recovery facility may accept a maximum of 1000 tons of Type 13 and 13C materials on any operating day. The material shall be deposited only on those areas within the building which have been specifically identified in the approved design drawings for such purposes. Recyclable materials will be recovered by manual and mechanical methods on the tipping floor and along conveyors. The residual materials will be sized reduced by a hammermill shredder. The shredded material will be conveyed to a cross-belt magnetic separator to recover ferrous metals. Recovered recyclable materials will be transported to approved end markets or recycling centers. The final residuals will be loaded into trucks for transport to the landfill for use as an alternative daily cover. The permittee shall process the amount of material received by the end of each operating day.
- (c) The permittee shall schedule the waste deliveries to the

materials recovery facility in such a manner as to minimize truck queuing on the facility property. Under no circumstances shall delivery trucks an/or transfer trailers accessing or exiting the facility be allowed to park or queue on any public road.

- (d) The permittee shall inspect each incoming waste load to identify the incidence of "designated recyclables materials" which are mandated by the District Recycling Plan for the municipality of origin to be source separated. Should such designated recyclables be detected in a delivered waste load, the permittee shall notify the appropriate county recycling coordinator in writing and retain a copy at the facility. Whenever possible, the generator who failed to source separate the recyclable materials shall be identified in the notification.

The permittee shall consult on a quarterly basis with the county recycling coordinator to review the listing of recyclable materials.

- (e) In the event of a facility outage or other significant malfunction which would result in the facility's inability to process waste at a rate equal to or exceeding the rate of incoming waste, the operator shall immediately report the situation to the Department at 1-877-WARN-DEP.

- (a) The permittee shall post at the facility, and provide to the users of the facility, a copy of the traffic routes.

- (b) The permittee may conduct materials recovery operations as follows:

1. The permittee shall extract only those recyclable materials (including plastic, paper, metals) specified in the approved Operation and Maintenance manual referenced in Condition 2(a) of Section III. All recovered materials shall be stored in containers as depicted on the plans referenced in Condition 2(a) of Section III, pending transportation to a recycling center or final market destination.
2. The permittee shall not accept any waste load from a commercial or institutional generator for recovery of designated recyclable materials mandated to be source separated at the point of origin unless the facility has received

documentation from the generator that the generator's municipality had granted the generator an exemption from the requirement to source separate the designated recyclable materials from the solid waste stream. The permittee shall maintain a copy of each such documentation of exemption at the facility. Additionally, for each such commercial or institutional generator from which the permittee accepts a waste load for recovery of designated recyclable materials, the permittee shall provide reports to the generator's municipality, annually or as otherwise requested by the municipality, identifying the generator, and the quantity (in tons) of each or the designated recyclable materials actually recovered from those waste loads.

3. The permittee shall maintain contracts or letters of agreement with end markets, manufacturers and approved recycling centers for the disposition of all recovered materials. The permittee shall notify the Department within one week of changes in the status of existing contracts or the addition of any new contracts or letters for the disposition of recovered materials. Such notice shall include documentation of the changed status or a copy of the new contract or letter of agreement.

4. Construction Requirements

The permittee is authorized to construct a materials recovery facility as detailed in the engineering designs referenced in Condition 2(a) of Section III, subject to the following requirements:

1. Prior to initiating any construction activity, the permittee shall obtain all necessary permits and approvals required for construction.
2. The permittee shall provide a schedule for all proposed construction activities to the Department within sixty (60) days from the date of final approval.

As built certifications shall be submitted to the Department as indicated in Condition 4(d) of Section III.